

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/026349A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L25/02

According to international Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/05442 A (HARRIS CORP) 17 January 2002 (2002-01-17) figures 5,6,1112 page 6, line 10 - page 10, line 34 Channel estimation method for W-LAN system using spreading with short codes like the 11-chip Barker code. According to the length of the channel impulse response, multiple contiguous symbols are used ----- -/-	1-11, 19-29, 37-47

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
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Date of the actual completion of the international search

10 December 2004

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29/12/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>TENG JOON LIM: "Bias in CDMA channel estimates with the use of short spreading sequences"</p> <p>IEEE, vol. 1, 6 September 2000 (2000-09-06), pages 288-291, XP010517569 page 288, column 2</p> <p>Channel estimation method for systems using short spreading codes: A filtered correlated signal is further processed so as to remove the autocorrelation sidelobes of the short spreading code used.</p> <p>-----</p>	1,12,19, 30,37,48

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0205442 A	17-01-2002	US 6661857 B1	09-12-2003
		AU 7786001 A	21-01-2002
		DE 10196416 T0	13-11-2003
		JP 2004503171 T	29-01-2004
		TW 513864 B	11-12-2002
		WO 0205442 A2	17-01-2002